# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

Assignee:

Luminous Networks, Inc.

Title:

Routing Switch Detecting Change In Session Identifier Before

Reconfiguring Routing Table

Serial No.:

09/519,441

Filing Date:

March 3, 2000

Examiner:

Unknown

Group Art Unit: 2739

Docket No.:

M-8564 US

San Jose, Califor

RECEIVEDFebruary 15, 20

MAR 1 1 2002

Attn: Official Draftsperson COMMISSIONER FOR PATENTS Washington, D. C. 20231

**Technology** Center 2600

## SUBMISSION OF FORMAL DRAWINGS

Dear Sir:

Applicants submit thirteen (13) sheets of formal drawings, consisting of Figures 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12A, 12B, in the above-named application. If there are any questions regarding these drawings, please call the undersigned at (408) 453-9200.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on February 15, 2002.

Attorney for Applicant(s)

Respectfully submitted,

Brian D. Ogenowsky Attorney for Applicant(s)

Reg. No. 31,988

LAW OFFICES OF SKJERVEN MORRILL MacPHERSON LLP

25 METRO DRIVE SUITE 700 SAN JOSE, CA 95110 (408) 453-9200 FAX (408) 453-7979

845469 v1

-1-

APPROVED O.G. FIG.

Drateman.

Attorney Docket No.: M-8564 US Appin. No.: 09/519,441
Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

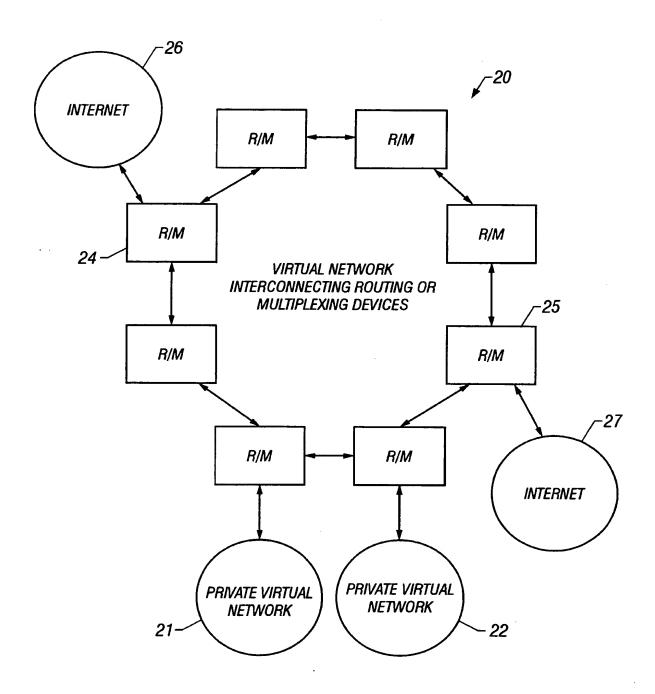
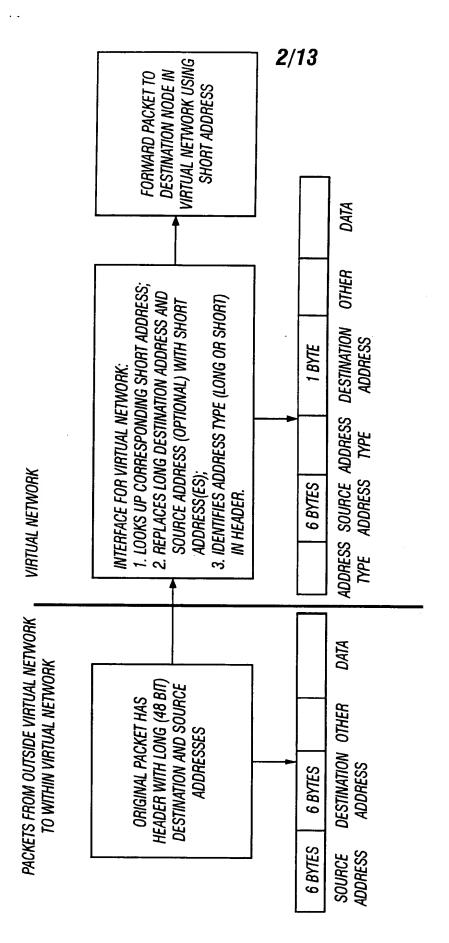


FIG. 1

. .

Reconfiguring Routing Table

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

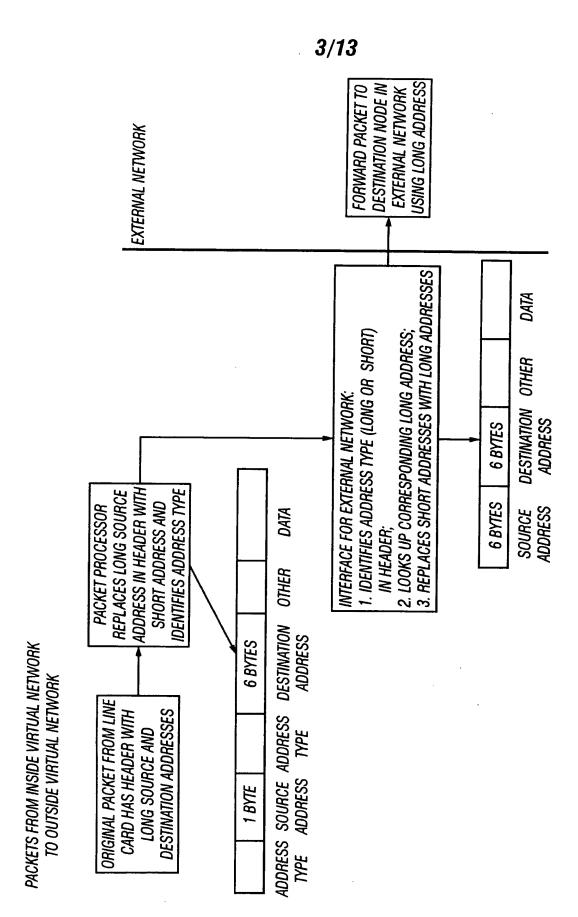


F1G. 2

Tree!

Reconfiguring Routing Table Appln. No.: 09/519,441

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

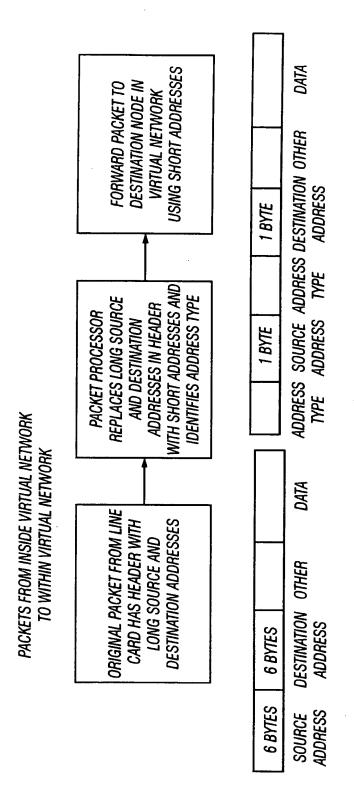


F/G. 3

Routing Routing

ch Detecting Change In Session Identifier Be Attorney Docket No.: M-8564 US

Reconfiguring Routing Table Appin. No.: 09/519,441 Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.



ASPRONED O.G. FIG.

Attorney Docket No.: M-8564 US Appin. No.: 09/519,441
Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

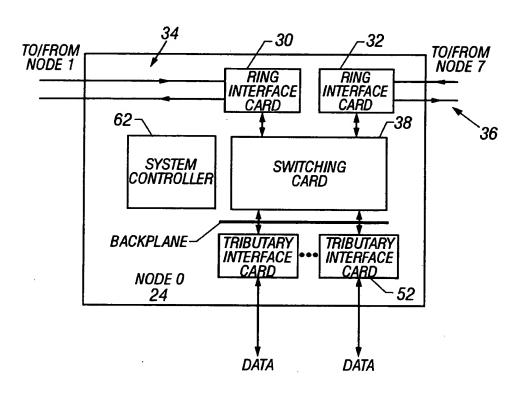


FIG. 5

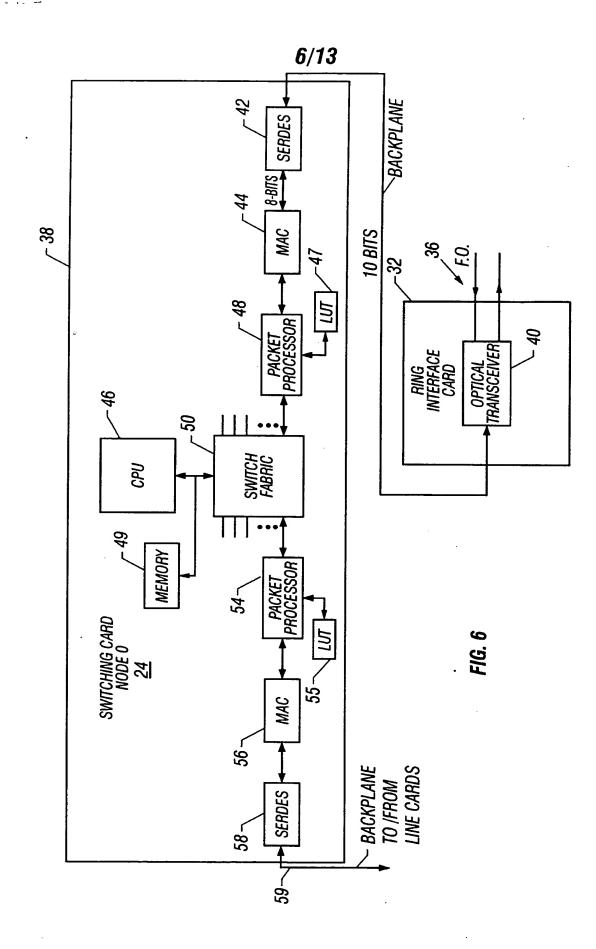
LEPROME!

DI MUSEUM

ch Detecting Change In Sessior Identifier Bo Attorney Docket No.: M-8564 US

Reconfiguring Routing Table
Appin. No.: 09/519,441

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.



ch Detecting Change In Session Identifier Be Reconfiguring F Attorney Docket No.: M-8564 US Ap. n. No.: 09/519,44 Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K. Reconfiguring Routing Table n. No.: 09/519,441 Routing

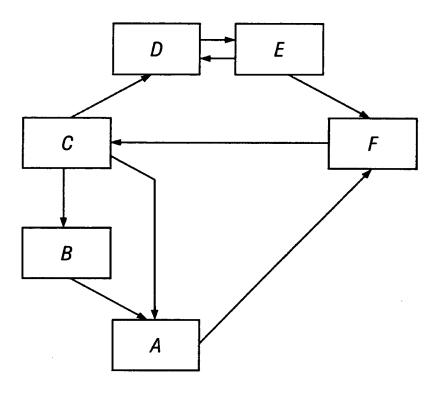
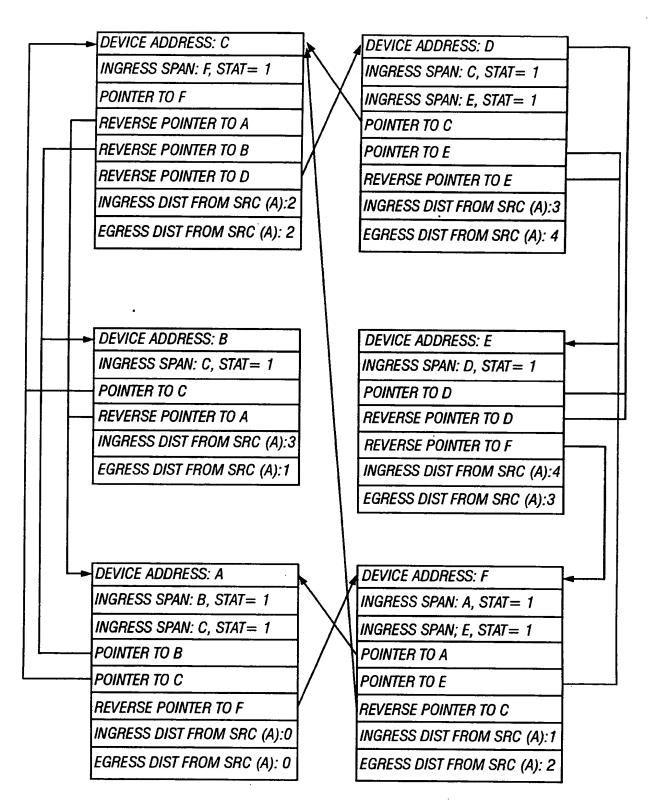


FIG. 7

. Cashobbl

Attorney Docket No.: M-8564 US Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.



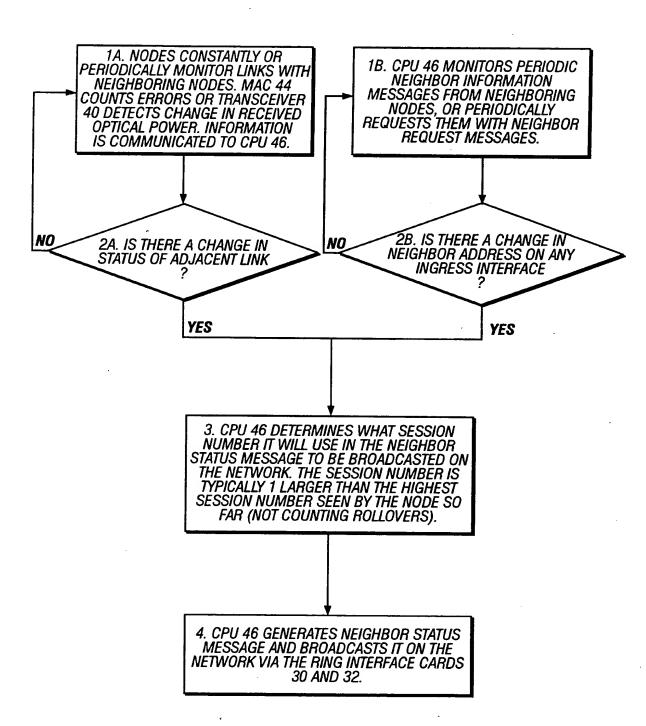


FIG. 9

ور تامليك سور

Reconfiguring Routing Table oin. No.: 09/519,441

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

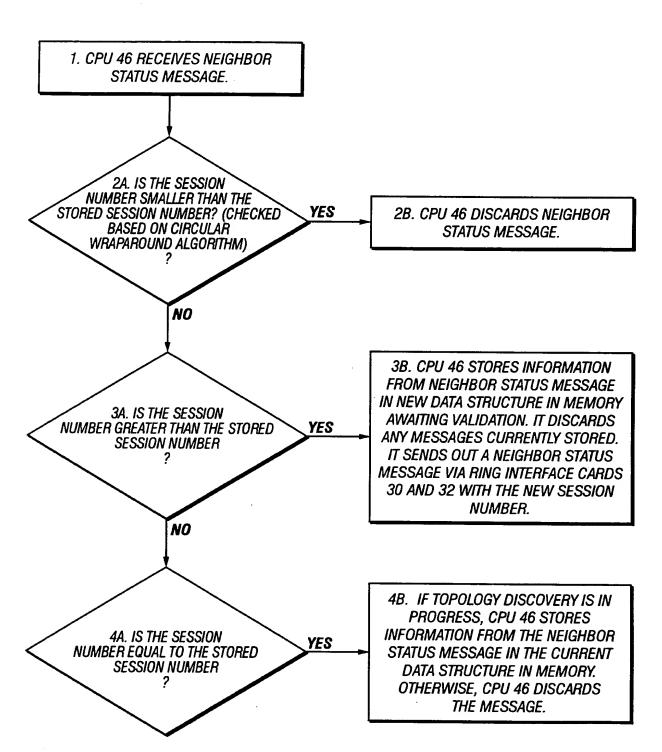
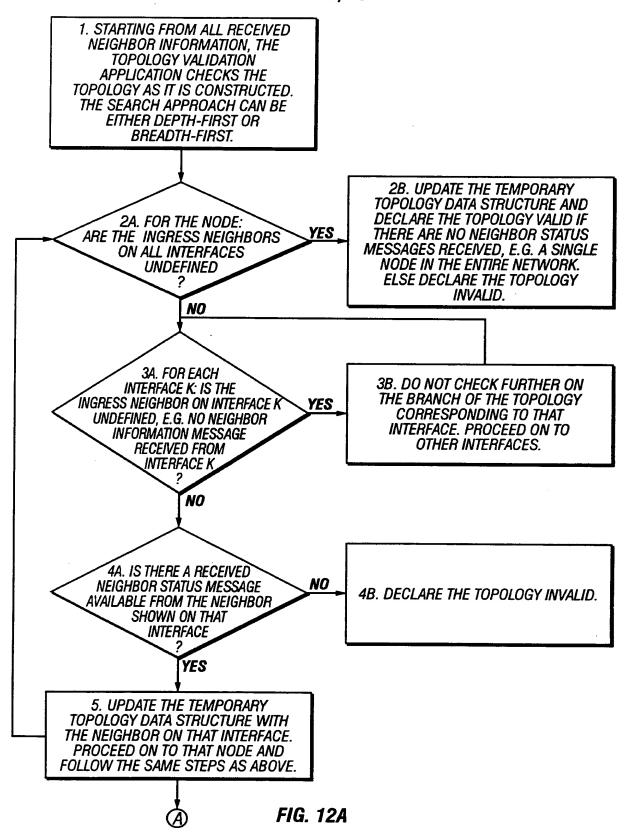


FIG. 10

11/13 1. CPU 46 RECEIVES NOTIFICATION THAT TOPOLOGY DISCOVERY TIMER HAS EXPIRED. 2B. CPU 46 RESETS TOPOLOGY DISCOVERY TIMER AND CONTINUES WITH TOPOLOGY DISCOVERY. IF 2A. DOES TOPOLOGY NO TOPOLOGY DISCOVERY TIMER STABILITY TIME EXCEED EXCEEDS MAXIMUM LIMIT. CPU THRESHOLD 46 STOPS TOPOLOGY DISCOVERY AND REPORTS AN ERROR. YES 3. CPU 46 PERFORMS TOPOLOGY CONSTRUCTION AND VALIDATION. 4B. CPU 46 REPLACES CURRENTLY STORED TOPOLOGY WITH NEW TOPOLOGY. IT REINITIALIZES COUNTERS. ETC. FOR NEXT ROUND YES 4A. IS THE TOPOLOGY OF TOPOLOGY DISCOVERY. IF DUAL-**VALID** MODE ADDRESSING IS USED. IT DETERMINES THE MAPPING FROM LONG ADDRESSES TO SHORT NO ADDRESSES. 5. CPU 46 DISCARDS DISCOVERED TOPOLOGY. IT REINITIALIZES COUNTERS. ETC. FOR NEXT ROUND OF TOPOLOGY DISCOVERY. IT SENDS OUT A NEIGHBOR STATUS MESSAGE WITH AN INCREMENTED SESSION NUMBER TO FORCE A NEW ROUND OF TOPOLOGY DISCOVERY. THIS MAY BE DONE INDEFINITELY, OR A MAXIMUM OF A CONFIGURABLE

NUMBER OF TIMES.

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.



Routing Such Detecting Change In Session Identifier Be Reconfiguring Routing Table
Attorney Docket No.: M-8564 US Appin. No.: 09/519,441

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

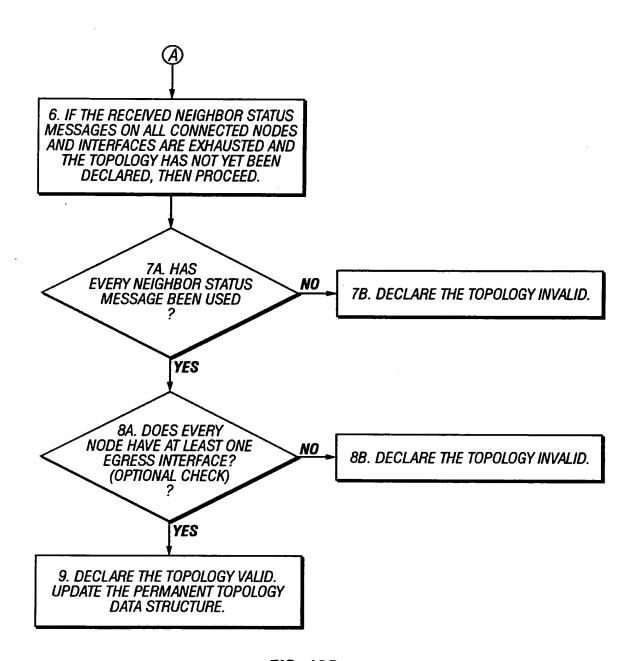


FIG. 12B